

ABSTRACT

Continuous filtration systems comprising a venturi, flow control valves, filter and pump.

In one specific embodiment the flow control valve and venturi are combined hereinafter referred

5 to as a CHUF. The CHUF may also contain concentrate release, and temperature, flow and two pressure sensors into a single structure. A continuous filtration system for liquid or gas

applications is constructed by plumbing a CHUF to a pump and filter. The CHUF is constructed of plastic, stainless steel or other materials. Different plumbing to the CHUF positions the filter in either series, parallel, or series and parallel with a venturi and flow control valve resulting in

10 different pressures and flows at the filter. A single flow control valve simultaneously controls inflow and outflow of the filtration system. Additional flow control valves are used in a process to control pressure independent of flow at the filter.